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Amendments to the Claims:

The following list of claims will replace all previous versions and listings of claims:

Claims:

Claim 1. (Currently Amended): An electrical power source system, comprising:

an electrical power storage subsystem;

an electrical power generator; and

a control system coupled with the electrical power storage subsystem <u>and the</u> <u>electrical power generator for controlling the electrical power storage subsystem and</u> the electrical power generator concurrently, and

configured to provide a plurality of modes of operation including at least a static compensator (STATCOM) operational mode and an uninterruptible power-supply (UPS) operational mode, and to control transitions between each of the plurality of modes, including operation in more than one mode at the same time.

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Claim 2. (Currently Amended): The electrical power source system as claimed in claim

1, wherein the static compensator (STATCOM) operational mode is implemented

without a conventional static compensator (STATCOM), and the uninterruptible power

supply (UPS) operational mode is implemented without a conventional uninterruptible

power supply (UPS) wherein the control system provides a plurality of modes of

operation including at least a static compensator (STATCOM) operational mode and an

uninterruptible power supply (UPS) operational mode.

Claim 3. (Canceled)

Claim 4. (Currently Amended): The electrical power source system as claimed in

claim 3-1, wherein the control system is further coupled to the electrical power

generator and is further configured to provide provides a multiplicity of generator

connection modes, including at least a dc-connected generator mode and an ac-

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connected generator mode.

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Claim 5. (Currently Amended): The electrical power source system as claimed in

claim 1, wherein the control system comprises a feedback loop:

the control system is an integrated closed loop control system.

Claim 6. (Original): The electrical power source system as claimed in claim 1,

wherein: the control system comprises:

a current control system coupled with the electrical power storage subsystem

and the electrical power generator; and

a voltage control system coupled with at least the electrical power 30

storage subsystem.

Claim 7. (Currently Amended): The electrical power source system as claimed in

claim 6. wherein:

the current control system includes a voltage source converter (VSC) current

controller coupled with a pulse pattern generation unit; and

the pulse pattern generation unit couples with the electrical power energy

storage system subsystem and is configured to supply control signals to the electrical

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power storage energy storage system subsystem.

Claim 8. (Currently Amended): The electrical power source system as claimed in

claim 7, wherein:

the voltage control system includes the VSC voltage controller coupled with the

pulse pattern generation unit; and

the pulse pattern generation unit couples with the electrical power energy

storage system subsystem and is configured to supply control signals to the energy

electrical power storage system subsystem.

Claim 9. (Original): The electrical power source system as claimed in claim 8,

wherein:

the energy storage system includes a VSC coupled with an energy storage unit,

wherein the energy storage unit is configured to store electrical energy, and the VSC

is configured to draw energy from the energy storage unit and supply electrical energy

to the energy storage unit.

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Claim 10. (Original): The electrical power source system as claimed in claim 6,

wherein:

the control system further includes a detection and mode selection unit coupled

with the current control and the voltage control, and configured to determine the

with the deficit control and the relage control, and configured to determine

mode of operation of the apparatus.

Claim 11. (Original): The electrical power source system as claimed in claim 10, further

comprising:

a solid state breaker (SSB) coupled with the detection and mode selection unit

and with a grid and configured to decouple a load from the grid; and

the detection and mode selection unit is configured to signal the SSB to open

and close.

Claim 12. (Original): The power system as claimed in claim 1, wherein the

storage system comprises a battery.

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Claim 13. (Original):

The power system as claimed in claim 1, wherein

the storage system comprises a flywheel.

Claim 14. (Currently Amended): The power system as claimed in claim

1, wherein the storage system comprises superconducting magnetics

(SMES)an SMES.

Claim 15. (Original): The power system as claimed in claim 1, wherein

the storage system comprises an electrochemical capacitor.

Claim 16. (Original): The power system as claimed in claim 1, wherein

the storage system comprises a compressed air energy storage system (CAES).

Claim 17. (Original): The power system as claimed in claim 1, wherein the control

system includes at least one storage control module specifically configured for

controlling the operation of the electrical power storage subsystem.

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Claim 18. (Canceled)

Claim 19. (Original): The power system as claimed in claim 17, wherein the storage

control module is chosen from the group comprising: a software configuration, a

hardware configuration, and a combination of a software and a hardware configuration.

Claim 20. (Original): The power system as claimed in claim 2, wherein the control

system includes at least one electrical power generator control module specifically

configured for controlling the operation of the electrical power generator.

Claim 21. (Original) The power system as claimed in claim 20, wherein the electrical

power generator control module is interchangeable with a second electrical power

generator control module that is specifically configured for controlling the operation of a

second electrical power generator.

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Claim 22. (Currently Amended): An apparatus for providing electrical power, comprising:

a static compensator (STATCOM);

an uninterruptible power supply (UPS);

an electrical power generator; and

a multimode control system coupled with the STATCOM, and the UPS, and the electrical power generator, wherein the multimode control system is configured to control controls the operation of each of the STATCOM, and the UPS, and the electrical power generator to cooperate the STATCOM, and the UPS, and the electrical power generator to simultaneously provide reactive power (static compensation) and/or and real electrical power in any combination before, during, and/or after a disturbance or outage on the an electrical grid.

Claim 23. (Canceled)

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Claim 24. (Currently Amended): The apparatus as claimed in claim $\frac{23}{22}$, wherein:

the control system includes at least:

a current control system coupled with the STATCOM, the UPS, and the

generator, and configured to provide control for the STATCOM, the UPS, and the

generator; and

a voltage control system coupled with at least the UPS, and configured to

provide control for the UPS.

Claim 25. (Currently Amended): The apparatus as claimed in claim 22, wherein:

the control system includes at least:

a current control system coupled with the STATCOM and the UPS, $\overline{\mbox{and}}$

configured to provide control for the STATCOM and the UPS; and

a voltage control system coupled with at least the UPS, and configured

to provide control for the UPS.

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Claim 26. (Currently Amended): The apparatus as claimed in claim 25, wherein:

the control system includes: a detection and mode selection unit coupled with

the current control system and the voltage control system, and configured to signal the

current control system and the voltage control system to activate and deactivate the

current control system and the voltage control system.

Claim 27. (Currently Amended): The apparatus as claimed in claim 26, wherein the

STATCOM includes at least a voltage source converter (VSC) coupled with an energy

storage unit, wherein the VSC provides at least static compensation (reactive power

injection/absorption) reactive power injection or absorption.

Claim 28. (Canceled)

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Claim 29. (Original): The electrical power source system as claimed in claim 27, wherein the energy storage unit is chosen from the group comprising: a battery, a

flywheel, an SMES, an electrochemical capacitor, and combinations thereof. $\label{eq:capacitor} % \begin{subarray}{ll} \end{subarray} \b$

Claims 30-55. (Canceled).